

TABLE 15

Federal obligations for research and experimental development and for R&D plant to federally funded research and development centers, by agency and type of administrator: FY 2021

(Dollars in thousands)

Agency	R&D				R&D plant			
	Total	Industry-administered FFRDCs	University-administered FFRDCs	Nonprofit-administered FFRDCs	Total	Industry-administered FFRDCs	University-administered FFRDCs	Nonprofit-administered FFRDCs
All agencies	14,791,390	4,134,050	5,810,343	4,846,997	2,019,120	350,805	869,479	798,836
Departments								
Department of Commerce	20,709	0	794	19,914	0	0	0	0
National Institute of Standards and Technology	19,914	0	0	19,914	0	0	0	0
National Oceanic and Atmospheric Administration	794	0	794	0	0	0	0	0
Department of Defense	3,501,650	379,548	1,127,840	1,994,262	0	0	0	0
Defense Advanced Research Projects Agency	101,480	33,254	36,960	31,266	0	0	0	0
Defense Health Agency	5,993	0	100	5,893	0	0	0	0
Department of the Air Force	574,485	114,458	75,540	384,488	0	0	0	0
Department of the Army	144,668	48,545	25,916	70,207	0	0	0	0
Department of the Navy	193,316	64,020	30,090	99,206	0	0	0	0
Space Force	255,054	4,302	21,927	228,825	0	0	0	0
Other defense agencies	2,226,654	114,970	937,307	1,174,377	0	0	0	0
Department of Energy	7,904,787	3,026,000	2,365,279	2,513,509	2,017,103	350,805	867,461	798,836
Advanced Research Projects Agency—Energy	35,342	5,713	5,744	23,886	0	0	0	0
Electricity Delivery and Energy Reliability	92,613	31,257	5,492	55,865	0	0	0	0
Energy Efficiency and Renewable Energy	959,423	128,617	170,389	660,416	41,696	0	0	41,696
Environmental Management	25,006	22,930	986	1,090	0	0	0	0
Fossil Energy	66,775	25,338	12,703	28,734	0	0	0	0
National Nuclear Security Administration	2,528,694	2,350,795	30,400	147,500	367,881	347,896	483	19,502
Defense Programs	2,191,408	2,133,640	13,329	44,439	348,876	347,896	483	497
Naval Nuclear Propulsion Program	1,002	912	0	90	0	0	0	0
Office of Defense Nuclear Nonproliferation	336,284	216,243	17,071	102,971	19,005	0	0	19,005
Nuclear Energy	314,540	211,911	34,834	67,796	0	0	0	0

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Office of Cybersecurity, Energy Security, and Emergency Response	200	0	0	200	0	0	0	0
Office of Science	3,882,194	249,440	2,104,731	1,528,022	1,607,526	2,909	866,978	737,638
Department of Health and Human Services	728,866	665,197	24,254	39,415	0	0	0	0
Centers for Disease Control and Prevention	616	0	0	616	0	0	0	0
National Institutes of Health	728,250	665,197	24,254	38,799	0	0	0	0
Department of Homeland Security	71,103	33,717	501	36,885	0	0	0	0
Countering Weapons of Mass Destruction Office	8,239	5,332	501	2,406	0	0	0	0
Cybersecurity and Infrastructure Security Agency	2,286	2,286	0	0	0	0	0	0
Science and Technology Directorate	60,578	26,099	0	34,479	0	0	0	0
Department of the Interior	408	0	250	158	0	0	0	0
Bureau of Safety and Environmental Enforcement	408	0	250	158	0	0	0	0
Department of Transportation	87,217	0	0	87,217	0	0	0	0
Federal Aviation Administration	84,354	0	0	84,354	0	0	0	0
Federal Highway Administration	1,654	0	0	1,654	0	0	0	0
Federal Motor Carrier Safety Administration	975	0	0	975	0	0	0	0
Federal Railroad Administration	235	0	0	235	0	0	0	0
Department of the Treasury	8,600	5,074	0	3,526	0	0	0	0
Bureau of Engraving and Printing	8,600	5,074	0	3,526	0	0	0	0
Department of Veterans Affairs	89,225	0	0	89,225	0	0	0	0
Other agencies								
Administrative Office of the U.S. Courts	4,362	0	0	4,362	0	0	0	0
Environmental Protection Agency	109	*	76	*	0	0	0	0

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National Aeronautics and Space Administration	2,051,453	14,480	1,994,948	42,025	2,017	0	2,017	0
National Science Foundation	298,451	0	293,711	4,740	0	0	0	0
Nuclear Regulatory Commission	24,451	10,025	2,690	11,736	0	0	0	0

* = amount greater than \$0 but less than \$50,000.

FFRDC = federally funded research and development center.

Note(s):

Because of rounding, detail may not add to total. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. FY 2021 obligations include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). See technical table A-2 for additional notes associated with the agencies listed in this table.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2021–22.